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[File 2] INSPEC 1898-2006/Jan W2
[File 6] NTIS 1964-2006/Jan W4
[File 8] Ei Compendex(R) 1970-2006/Jan W4
[File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
[File 35] Dissertation Abs Online 1861-2006/Jan
[File 65] Inside Conferences 1993-2006/Jan W5
[File 99] Wilson Appl. Sci & Tech Abs 1983-2006/Apr
[File 144] Pascal 1973-2006/Jan W2
[File 23] CSA Technology Research Database 1963-2006/Jan
[File 103] Energy SciTec 1974-2006/Jan B1
[File 31] World Surface Coatings Abs 1976-2006/Jan
[File 95] TME-Technology & Management 1989-2006/Jan W5
[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
[File 293] Engineered Materials Abstracts 1966-2006/Jan
[File 239] Mathsci 1940-2005/Feb
[File 256] TECINFOSOURCE 82-2005/DEC

Set	Items	Description
S1	6262450	S SEMICONDUCTOR??? OR SEMI()CONDUCTOR??? OR PCB OR TAB OR PRINT???()CIRCUIT()BOARD??? OR CIRCUIT???()BOARD??? OR LOAD()BOARD??? OR LOADBOARD???? OR LSI OR ASIC OR ELECTRON???()DEVICE??? OR PRINT???()CIRCUIT??? OR IC OR INTEGRAT????()CIRCUIT??? OR CHIP??? OR WAFER??? OR MICROCHIP??? OR MICRO()CHIP??? OR VLSI OR FLEX????(3N)CIRCUIT??? OR FLEX???? OR (LEAD??? OR WIRE??? OR WIRING OR LINE??? OR TRAC???? OR INTEGRAT????) (3N)FLEX???? OR CIRCUIT???? OR SOC OR SIP OR SYSTEM(2N) (CHIP OR PACK????)
S2	10332763	S WIREBOND???? OR BOND???? OR WIRE??? (2N) (BIND???? OR BOUND????) OR TEST????
S3	2317199	S SILICON OR SIO2 OR SIO OR SILICONOXIDE
S4	43820	S ACTIVE(3N) (DEVICE??? OR APPT OR APPARATUS OR MEANS OR APPLIANCE???? OR UNIT??? OR ASSEMBL????)
S5	900953	S (DIELEC OR DIELECTRIC OR INSULAT???? OR NONCONDUCT???? OR NON()CONDUCT???? OR PASSIV???????? OR ADHE???? OR BARRIER???? OR GOLD OR AU OR ELECTROPLAT???) (3N) (LAYER???? OR FILM???? OR RESIST???? OR MASK???? OR SUBSTRATE???? OR MATERIAL??? OR WAFER???)
S6	2133014	S (INTERCONNECT???? OR METAL???????? OR NETWORK???? OR INTERSECT??? OR JUXTAPOSITION???? OR ARRAY???? OR PLURAL???? OR MULTI????) (3N) (LEVEL???? OR INTERLEVEL???? OR STRUCTUR??? OR LAYER??? OR FILM???? OR RESIST???? OR MASK???? OR SUBSTRATE???? OR MATERIAL??? OR WAFER??? OR LINE??? OR PASSIV???? OR GOLD OR AU OR CAP OR CAPS)
S7	123737	S (CU OR COPPER OR AL OR ALUMINUM OR ALUMINIUM) (3N) (PAD OR PADS OR CONTACT??? OR CONNECT???? OR BOND??? OR SOLDER???? OR BALL???? OR CAP OR CAPS)
S8	8767626	S SIDEWALL???? OR SIDE()WALL???? OR WALL???? OR SURFACE????
S9	1677751	S (FIRST???? OR SECOND???? OR 1 OR 2 OR 2ND OR 1ST) (3N) (REGION??? OR AREA???? OR SECTION??? OR PORTION???? OR PART????????)
S10	7722026	S (OPTIM???? OR EFFECT???? OR EFFICIEN???? OR ACCURA???????? OR MAXIM???? OR BETTER OR EXCEL???? OR IMPROV???? OR INCREAS???? OR HIGH OR HIGHER OR ENHANC???? OR GOOD OR QUALIT???? OR RAIS???) (3N) (PERFORM???? OR OPERAT???? OR FUNCTION??? OR RELIAB???????? OR RUNNING OR EFFICIEN???? OR SPEED???)
S11	251050	S (MINIM???????? OR LOWER???? OR LOW OR REDUC???????? OR ATTENUAT???? OR DECREAS???? OR LESS???? OR LIMIT???? OR MITIGAT???????? OR SHORT???? OR FEW OR FEWER OR QUICK???? OR FAST??? OR BRIEF??? OR DIMINISH???) (3N) (PARASITIC()RESISTANCE OR RESISTANC??? OR CAPACITANC???)
S12	0	S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11
S13	803	S S1 AND S2 AND S6 AND S7 AND S10
S14	219	S S13 AND S3
S15	1	S S14 AND S4
S16	86	S S14 AND S5
S17	31	S S16 AND S8
S18	2	S S17 AND S9
S19	2	RD (unique items)

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S20	4	S S17 AND S11
S21	3	RD (unique items)
S22	529	S S1(3N)S2(3N)S6(3N)S7
S23	137	S S22 AND S3
S24	2	S S23 AND S4
S25	2	RD (unique items)
S26	48	S S23 AND S5
S27	17	S S26 AND S8
S28	11	RD (unique items)
S29	2	S S26 AND S9
S30	2	RD (unique items)
S31	21	S S26 AND S10
S32	11	RD (unique items)
S33	1	S S26 AND S11
S34	2	S S19 NOT S15
S35	3	S S21 NOT (S15 OR S19)
S36	2	S S25 NOT (S15 OR S19 OR S21)
S37	9	S S28 NOT (S15 OR S19 OR S21 OR S25)
S38	1	S S30 NOT (S15 OR S19 OR S21 OR S25 OR S28)
S39	5	S S32 NOT (S15 OR S19 OR S21 OR S25 OR S28 OR S30)
S40	28	S S2(3N)S6(3N)S10(3N)S11
S41	16	RD (unique items)
S42	16	S S41 NOT (S15 OR S19 OR S21 OR S25 OR S28 OR S30 OR S32)

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(FILE 'HOME' ENTERED AT 12:32:44 ON 20 MAR 2008)

FILE 'CAPLUS' ENTERED AT 12:33:12 ON 20 MAR 2008

L1 1052158 SEA ABB=ON PLU=ON WIRE BOND##### OR BOND##### OR WIREBOND####

L2 262397 SEA ABB=ON PLU=ON (DIELEC OR DIELECTRIC OR PASSIV##### OR
ADHE##### OR BARRIER OR GOLD OR AU OR ELECTROPLAT#####) (3A) (
LAYER#### OR MATERIAL OR SUBSTRATE OR WAFER#####)
L3 633110 SEA ABB=ON PLU=ON (INTERCONNECT##### OR METAL##### OR
NETWORK### OR INTERSECT#### OR ARRAY OR PLURAL##### OR
MULTI#####) (3A) (LEVEL##### OR INTERLEVEL##### OR STRUCTURE
OR LAYER##### OR FILM OR RESIST##### OR MASK##### OR MATERIAL
OR WAFER##### OR LINE OR PASSIV##### OR CAP OR GOLD OR AU)
L4 69305 SEA ABB=ON PLU=ON (COPPER OR CU OR AL OR ALUMINIUM OR
ALUMINUM) (3A) (PAD OR CONTACT##### OR CONNECT##### OR
BOND##### OR SOLDER##### OR BALL OR CAP)
L5 78068 SEA ABB=ON PLU=ON PARASITIC RESISTANCE OR CAPACITANCE
L6 795917 SEA ABB=ON PLU=ON (IMPROV##### OR BETTER OR INCREASE#####
OR HIGH OR HIGHER OR ENHANC##### OR GOOD) (3A) (PERFORM#####
OR OPERAT##### OR FUNCTION##### OR RELIAB##### OR
RUNNING OR EFFICIEN##### OR SPEED)
L7 0 SEA ABB=ON PLU=ON L1 AND L2 AND L3 AND L4 AND L5 AND L6
L8 6522 SEA ABB=ON PLU=ON L1 (3A) L2
L9 419 SEA ABB=ON PLU=ON L8 (3A) L3
L10 0 SEA ABB=ON PLU=ON L9 (3A) L5
L11 1 SEA ABB=ON PLU=ON L9 AND L5
L12 74 SEA ABB=ON PLU=ON L9 AND L4
L13 20 SEA ABB=ON PLU=ON L9 (3A) L4
L14 6 SEA ABB=ON PLU=ON L12 AND L6
L15 2 SEA ABB=ON PLU=ON L13 AND L6
L16 14 SEA ABB=ON PLU=ON L1 AND L2 AND L4 AND L5
L17 0 SEA ABB=ON PLU=ON L16 AND L6
L18 9 SEA ABB=ON PLU=ON L16 AND L3
L19 5 SEA ABB=ON PLU=ON L1 (3A) L3 (3A) L5
L20 0 SEA ABB=ON PLU=ON L1 (3A) L4 (3A) L5
L21 73 SEA ABB=ON PLU=ON L1 AND L4 AND L5
L22 14 SEA ABB=ON PLU=ON L21 AND L2
L23 9 SEA ABB=ON PLU=ON L22 AND L3
L24 0 SEA ABB=ON PLU=ON L22 AND L6
L25 7 SEA ABB=ON PLU=ON L21 (3A) L6
L26 3 SEA ABB=ON PLU=ON L1 (3A) L5 (3A) L6
D L11 IBIB ABS
L27 6 SEA ABB=ON PLU=ON L14 NOT L11
D L27 IBIB ABS 1-6
L28 0 SEA ABB=ON PLU=ON L15 NOT (L11 OR L14)
L29 8 SEA ABB=ON PLU=ON L18 NOT (L11 OR L14 OR L15)
D L29 IBIB ABS 1-8
L30 4 SEA ABB=ON PLU=ON L19 NOT (L11 OR L14 OR L15 OR L18)
D L30 IBIB ABS 1-4
L31 0 SEA ABB=ON PLU=ON L23 NOT (L11 OR L14 OR L15 OR L18 OR L19)
L32 7 SEA ABB=ON PLU=ON L25 NOT (L11 OR L14 OR L15 OR L18 OR L19
OR L23)
D L32 IBIB ABS 1-7
L33 3 SEA ABB=ON PLU=ON L26 NOT (L11 OR L14 OR L15 OR L18 OR L19
OR L23 OR L25)
D L33 IBIB ABS 1-3
L34 5 SEA ABB=ON PLU=ON L16 NOT (L11 OR L14 OR L15 OR L18 OR L19
OR L23 OR L25 OR L26)

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D L34 IBIB ABS 1-5

L35 0 SEA ABB=ON PLU=ON L22 NOT (L11 OR L14 OR L15 OR L16 OR L18
OR L19 OR L23 OR L25 OR L26)

L36 18 SEA ABB=ON PLU=ON L13 NOT (L11 OR L14 OR L15 OR L16 OR L18
OR L19 OR L22 OR L23 OR L25 OR L26)

D IBIB ABS L36 1-18

FILE 'STNGUIDE' ENTERED AT 12:54:33 ON 20 MAR 2008

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[File 344] Chinese Patents Abs Jan 1985-2006/Jan
[File 347] JAPIO Dec 1976-2007/Mar(Updated 070809)
[File 350] Derwent WPIX 1963-2007/UD,UM &UP=200744
[File 371] French Patents 1961-2002/BOPI 200209

Set	Items	Description
S1	5015134	S SEMICONDUCTOR??? OR SEMI{}CONDUCTOR??? OR PCB OR TAB OR PRINT{}{}CIRCUIT{}BOARD??? OR CIRCUIT{}{}BOARD??? OR LOAD{}BOARD??? OR LOADBOARD{}{} OR LSI OR ASIC OR ELECTRON{}{}DEVICE??? OR PRINT{}{}CIRCUIT??? OR IC OR INTEGRAT{}{}CIRCUIT??? OR CHIP??? OR WAFER??? OR MICROCHIP??? OR MICRO{}CHIP??? OR VLSI OR FLEX{}{}CIRCUIT??? OR FLEX{}{} OR (LEAD??? OR WIRE??? OR WIRING OR LINE??? OR TRAC{}{} OR INTEGRAT{}{})(3N)FLEX{}{} OR CIRCUIT{}{} OR SOC OR SIP OR SYSTEM(2N){CHIP OR PACK{}{}}
S2	1626561	S WIREBOND{}{} OR BOND{}{} OR WIRE{}{}(2N){BIND{}{} OR BOUND{}{} OR TEST{}{}}
S3	663844	S SILICON OR SIO2 OR SIO OR SILICONOXIDE
S4	48296	S ACTIVE(3N){DEVICE??? OR APPT OR APPARATUS OR MEANS OR APPLIANCE{}{} OR UNIT??? OR ASSEMBL{}{}}
S5	1268828	S {DIELEC OR DIELECTRIC OR INSULAT{}{} OR NONCONDUCT{}{} OR NON{}CONDUCT{}{} OR PASSIV{}{} OR ADHE{}{} OR BARRIER{}{} OR GOLD OR AU OR ELECTROPLAT{}{}(3N){LAYER{}{} OR FILM{}{} OR RESIST{}{} OR MASK{}{} OR SUBSTRATE{}{} OR MATERIAL{}{} OR WAFER{}{}}
S6	1271517	S {INTERCONNECT{}{} OR METAL{}{} OR NETWORK{}{} OR INTERSECT{}{} OR JUXTAPOSITION{}{} OR ARRAY{}{} OR PLURAL{}{} OR MULTI{}{}(3N){LEVEL{}{} OR INTERLEVEL{}{} OR STRUCTUR{}{} OR LAYER{}{} OR FILM{}{} OR RESIST{}{} OR MASK{}{} OR SUBSTRATE{}{} OR MATERIAL{}{} OR WAFER{}{} OR LINE{}{} OR PASSIV{}{} OR GOLD OR AU OR CAP OR CAPS}
S7	49454	S {CU OR COPPER OR AL OR ALUMINUM OR ALUMINIUM}(3N){PAD OR PADS OR CONTACT{}{} OR CONNECT{}{} OR BOND{}{} OR SOLDER{}{} OR BALL{}{} OR CAP OR CAPS}
S8	6156606	S SIDEWALL{}{} OR SIDE{}WALL{}{} OR WALL{}{} OR SURFACE{}{}}
S9	2073626	S {FIRST{}{} OR SECOND{}{} OR 1 OR 2 OR 2ND OR 1ST}(3N){REGION{}{} OR AREA{}{} OR SECTION{}{} OR PORTION{}{} OR PART{}{}}
S10	3510787	S {OPTIM{}{} OR EFFECT{}{} OR EFFICIEN{}{} OR ACCURA{}{} OR MAXIM{}{} OR BETTER OR EXCEL{}{} OR IMPROV{}{} OR INCREAS{}{} OR HIGH OR HIGHER OR ENHANC{}{} OR GOOD OR QUALIT{}{} OR RAIS{}{}(3N){PERFORM{}{} OR OPERAT{}{} OR FUNCTION{}{} OR RELIAB{}{} OR RUNNING OR EFFICIEN{}{} OR SPEED{}{}}
S11	223870	S {MINIM{}{} OR LOWER{}{} OR LOW OR REDUC{}{} OR ATTENUAT{}{} OR DECREAS{}{} OR LESS{}{} OR LIMIT{}{} OR MITIGAT{}{} OR SHORT{}{} OR FEW OR FEWER OR QUICK{}{} OR FAST{}{} OR BRIEF{}{} OR DIMINISH{}{}(3N){PARASITIC{}RESISTANCE OR RESISTANC{}{} OR CAPACITANC{}{}}
S12	0	S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11
S13	1493	S IC={H01L-023/485 OR H01L-023/522 OR H01L-023/532}
S14	34916	S MC={U11-C05D3 OR U11-C05D4 OR U11-D03B2}
S15	491	S S2(3N)S5(3N)S6(3N)S7
S16	387	S S15 AND S1
S17	116	S S16 AND S3
S18	3	S S17 AND S4
S19	74	S S17 AND S8
S20	23	S S19 AND S9
S21	8	S S20 AND S10
S22	3	S S20 AND S11
S23	202	S S2(3N)S10(3N)S11
S24	137	S S23 AND S1
S25	22	S S24 AND S3
S26	0	S S25 AND S4
S27	17	S S25 AND S5
S28	13	S S27 AND S6
S29	2	S S28 AND S7

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S30	5	S S28 AND S8
S31	6	S S28 AND S9
S32	18	S S2(3N)S6(3N)S7(3N)S11
S33	0	S S32 AND S13
S34	2	S S32 AND S14
S35	8	S S21 NOT S18
S36	2	S S22 NOT (S18 OR S21)
S37	2	S S29 NOT (S18 OR S21 OR S22)
S38	4	S S30 NOT (S18 OR S21 OR S22 OR S29)
S39	2	S S31 NOT (S18 OR S21 OR S22 OR S29 OR S30)
S40	2	S S34 NOT (S18 OR S21 OR S22 OR S29 OR S30 OR S31)
S41	5	S S28 NOT (S18 OR S21 OR S22 OR S29 OR S30 OR S31 OR S34)
S42	16	S S32 NOT (S18 OR S21 OR S22 OR S28 OR S29 OR S30 OR S31 OR S34)